

A METHOD FOR INTELLIGENTLY SELECTING
A BLUETOOTH ACCESS POINT

ABSTRACT OF THE INVENTION

5 A method and system for selecting and connecting to an access point in
a wireless network of devices, such as a Bluetooth network. Initially, an initiator
device is preconfigured with a list of available access point addresses. The
initiator device broadcasts an inquiry message that is received by available
wireless devices which, in turn, respond with their respective addresses,
10 occupancy level and device classification. The initiator device compares the
respondent addresses with the preconfigured access point addresses and
connects to a match, thus terminating the inquiry, provided certain fitness
functions are satisfied. The fitness functions might include such considerations
as occupancy rate, device classification, signal strength, or physical distance of
15 separation. The list of addresses on the initiator device is updated
automatically upon connecting with a network server whenever a new device is
added or an old one removed from the network server's access point address
list.